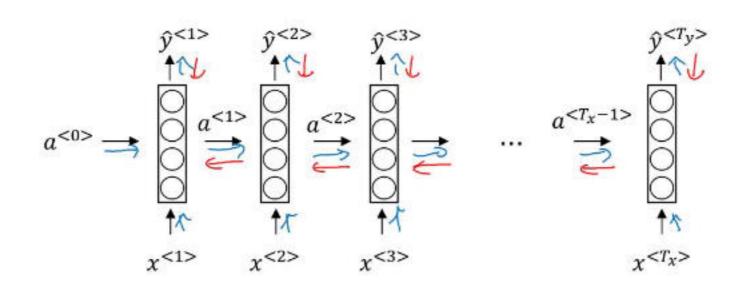
编环神经网络(RNN)。 特人输出维度不定 为什么不用NN做NLP? {参数庞太(One hat if) 特征不共享

Forward propagation and backpropagation



Andrew Ng

数算表示:
$$a^{-1} = g(W_{ax} x^{-1} + W_{aa} a^{-0} + b_a)$$
 $a^{-0} = \overline{g}.$

$$y^{-1} = g(W_{yc} a^{-1} + b_y). \longrightarrow sig moid/SoftMax.$$

$$a^{-1} = g(W_{yc} a^{-1} + b_a)$$

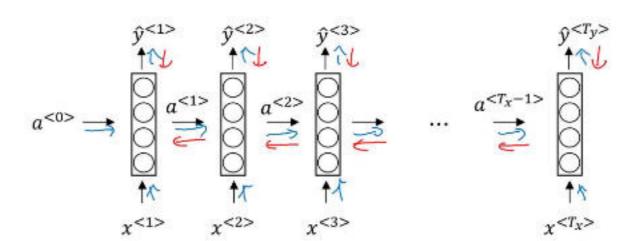
y=t>= g(wya a=t) + by)

14

Back

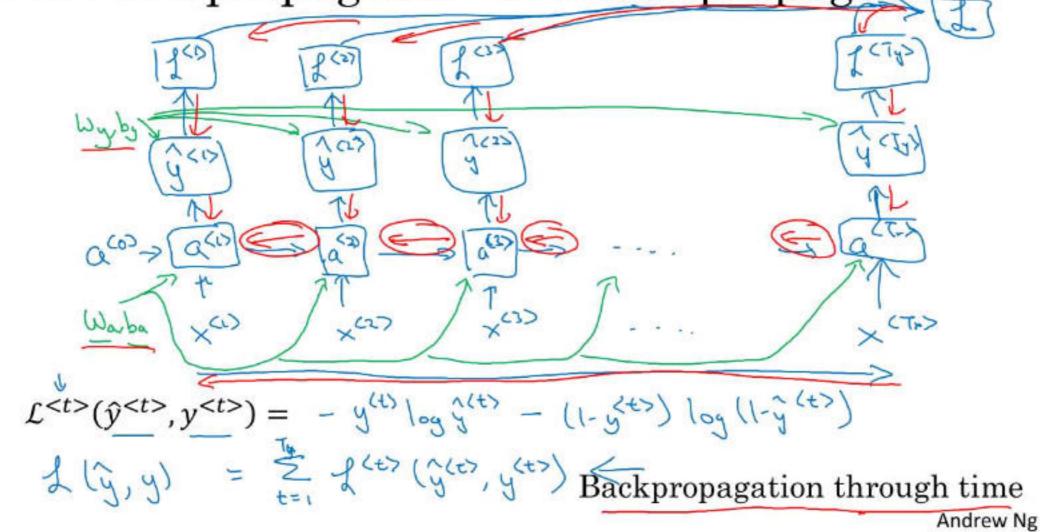
Propagation.

Forward propagation and backpropagation



Andrew Ng

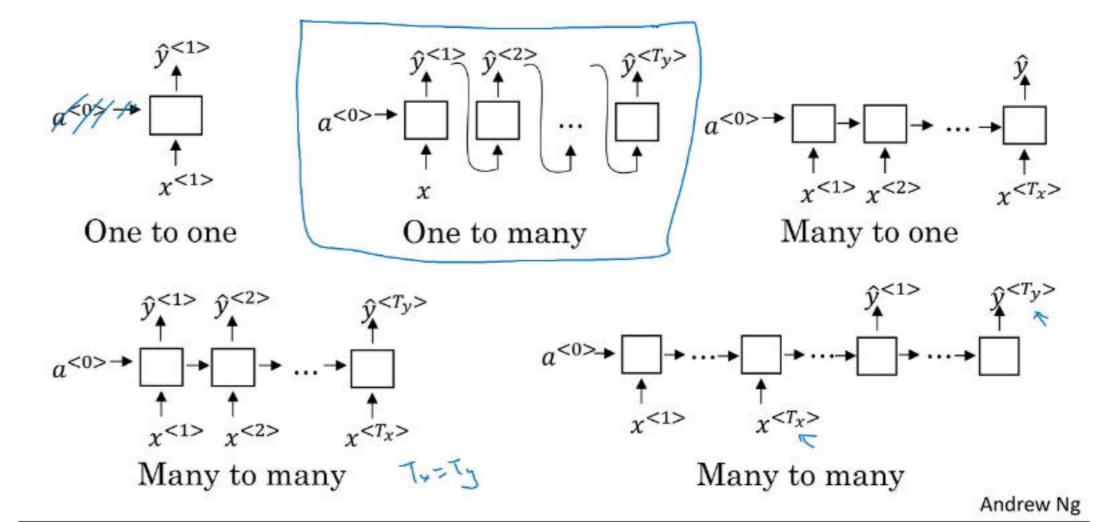
Forward propagation and backpropagation

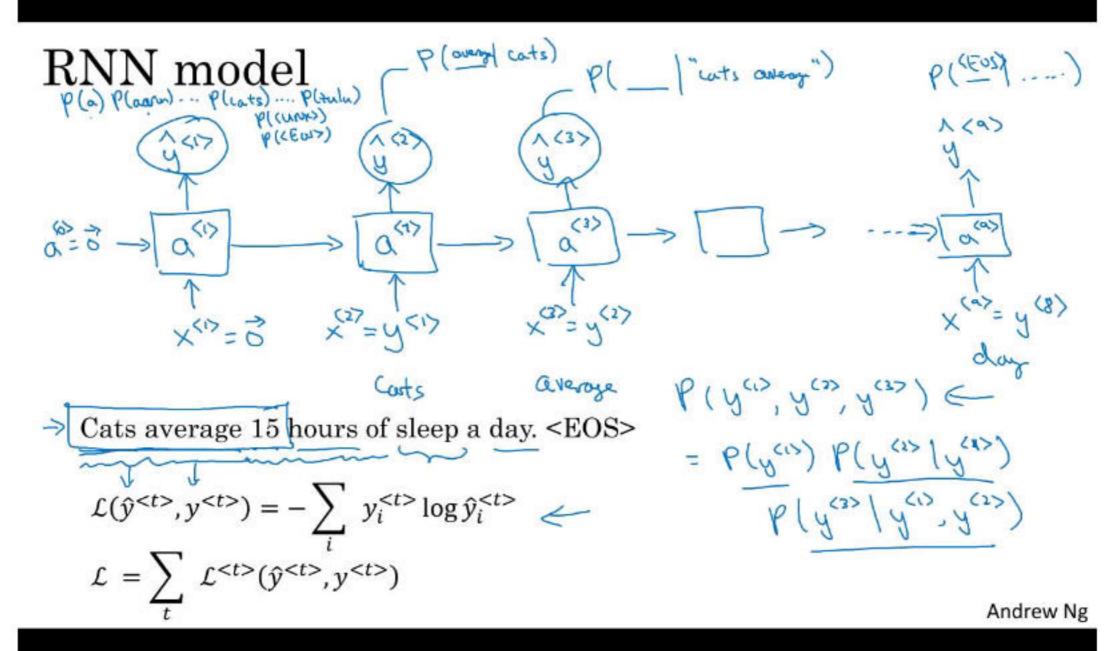


损失避极可采用交叉流.

Summary of RNN types

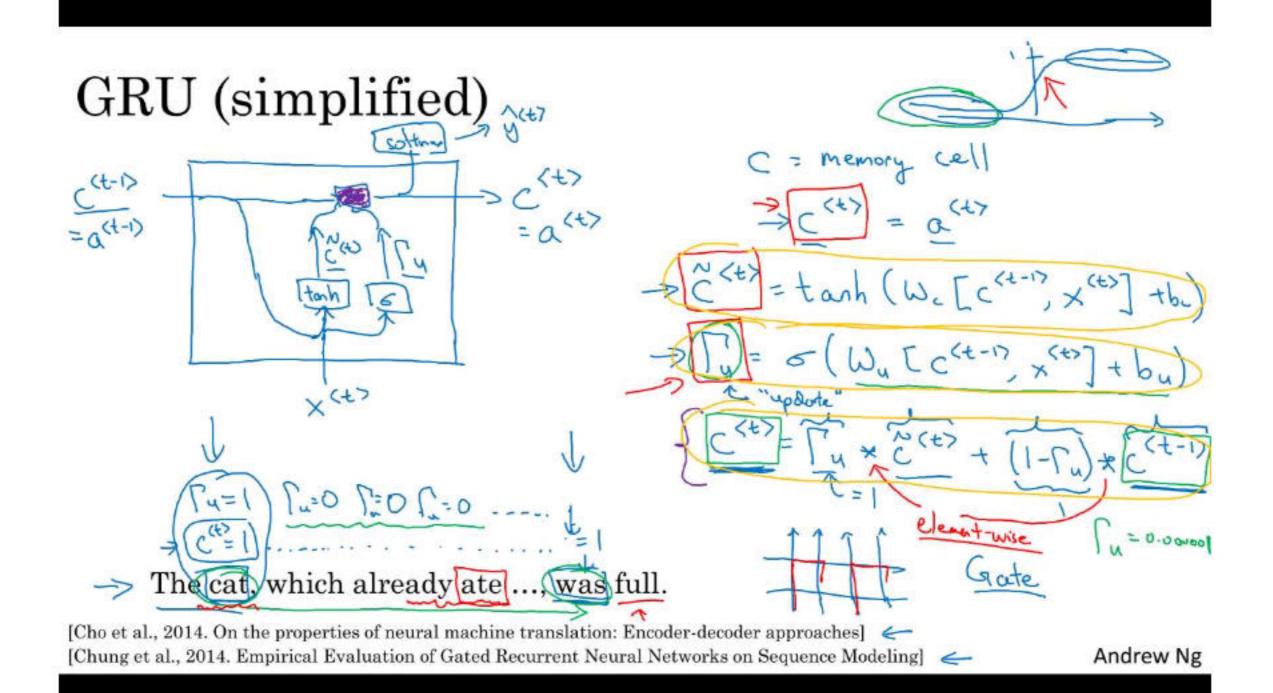
名种 RNN:

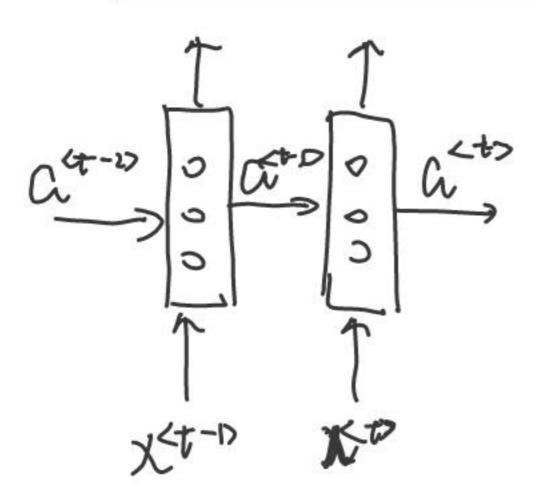




Language Model: P(竹竹). n元文族. g如是 Soft Max, Los 用交叉熵. 在训练好的语言模型上可以采样产生词序列. (文本之成). Gradient Vanishing. 句子有一定长度, 容易梯度消失.

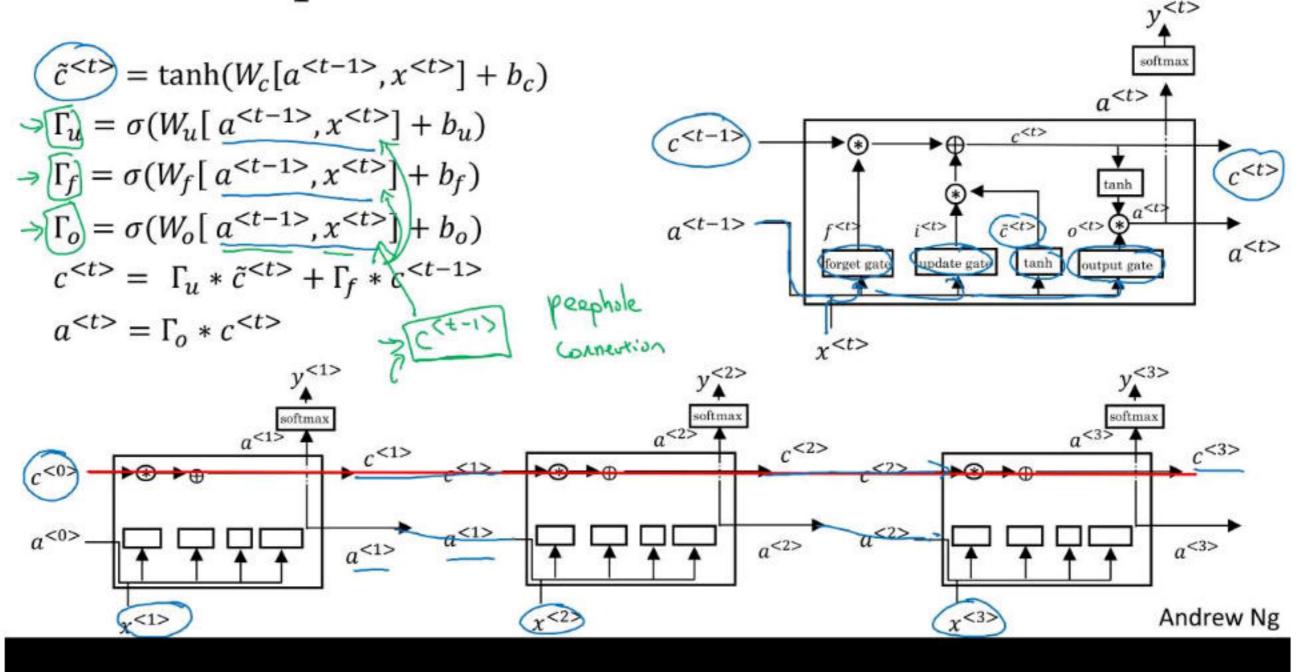
棉皮煤炉可以通过Gradient C即解决.





通过《中记机信息、 Call通过广ル判断是否更新。

LSTM in pictures



引入厅,遗忘门、新出门厂。 Cell控制更新多为信息,遗忘多为信息。